

1 TTTCCCTCACTACTATAAAGAATAGAGAAGGAGGGCTTCAGTGACCGGCTGCCTGGCTGACTTACAGCAGCTCAGACTCTGACAGGATC
91 ATGGCTATGATGGAGGTCCAGGGGGACCCAGCTGGGACAGACCTGCTGCTGATCGTGATCTTACAGTGCTCCTGCACTCTCTCTGT
1 MetAlaMetMetGluValGlnGlyGlyProSerLeuGlyGlnThrCysValLeuIleValIlePheThrValLeuLeuGlnSerLeuCys
181 GTGGCTTAACCTTACGTGTACTTTACCAACGAGCTGAAGCAGATGCAGGACAAGTACTCCAAAAAGTGGCATTGCTTGTCTTAAAGAA
31 ValAlaValThrTyrValTyrPheThrAsnGluLeuLysGlnMetGlnAspLysTyrSerLysSerGlyIleAlaCysPheLeuLysGlu
271 GATGACACTTATTTGGGACCCCAATGACGAAGAGAGTATGAACAGCCCTGCTGGCAAGTCAAGTGGCAACTCCGTGAGCTCGTTAGAAAG
61 AspAspSerTryTrpAspProAsnAspGluGluSerMetAsnSerProCysTrpGlnValLysTrpGlnLeuArgGlnLeuValArgLys
361 ATGATTTTGAGAACCTCTGAGGAAACCATTTTCTACAGTTCAAGAAAGCAACAAAAATATTTCTCCCTAGTGAGAGAAAGAGTCTCTCAG
91 MetIleLeuArgThrSerGluGluThrIleSerThrValGlnGluLysGlnGlnAsnIleSerProLeuValArgGluArgGlyProGln
451 AGAGTAGCAGCTCACATAACTGGGACCAAGAGGAAGCAACACATTTGCTTCTCCAAACTCCAAAGATGAAAGAGGCTCTGGGCGCGCAA
121 ArgValAlaAlaHisIleThrGlyThrArgGlyArgSerAsnThrLeuSerSerProAsnSerLysAsnGluLysAlaLeuGlyArgLys
541 ATAACTCCTGGGAATCATCAAGGAGTGGGCATTTCTGAGCAACTTGCACTTCAGGAATGGTGAACTGGTCACTCCATGAAAAAGGG
151 IleAsnSerTrpGluSerSerArgSerGlyHisSerPheLeuSerAsnLeuHisLeuArgAsnGlyGluLeuValIleHisGluLysGly
631 TTTTACTACATCTATTCCCAACACATACTTTTCGATTTTCAGAGGAAATAAAGAAAAACACAAAGAACGACAAAAACAAATGGTCCCAATATATT
181 PheTyrTyrIleTyrSerGlnThrTyrPheArgPheGlnGluGluIleLysGluAsnThrLysAsnAspLysGlnMetValGlnTyrIle
721 TACAAATACACAAGTTATCCTGACCTATATTGTTGATGAAAAGTGTAGAAATAGTTGTTGGTCTAAAGATGCAGAAATATGGACTCTAT
211 TyrLysTyrThrSerTyrProAspProIleLeuLeuMetLysSerAlaArgAsnSerCysTrpSerLysaspAlaGluTyrGlyLeuTyr
811 TCCATCTATCAAGGGGAATATTGAGCTTAAGGAAATGCACAGAAATTTTGTCTCTAACAATGAGCACTTGATAGACATGGACCAT
241 SerIleTyrGlnGlyGlyIlePheGluLeuLysGluAsnAspArgIlePheValSerValThrAsnGluHisLeuIleAspMetAspHis
901 GAAGCCAGTTTTTTCGGGGCCTTTTGTAGTTGGCTAACTGACCTGGAAAGAAAAAGCAATAACCTCAAAGTGAATTTTCAGTTTTTCAGGAT
271 GluAlaSerPhePheGlyAlaPheLeuValGlyStp
991 GATACACTATGAACATGTTTCAAAAAATCTGACCAAAACAAACACAGAAA

FIG. 1A

#4

41BBL 80 DPAGLLDLRQGMFAQLVAQ-----NVLIDGFL-----SMYS DPGLAGVSLTG-GLSYKEDTKLVVA-----C'
OX40L 52 VSH---RYPRIQSIKVQFT-----EYKKEG-----F-I L TS---QKED-IMKVQNN---SVIIN
CD27L 45 QQQLPLESLGWDVAELQLN-----HTGFQQDPRL-----YMQG GPALGRSFTLH--GPELDKG--QLRTH
CD30L 87 LCILKRAPFKKSWAYLQVA-----KHLNKTLL-----SMKD-----GILH--GVRYQDG--NLVJQ
TNF 77 VRSSRTPSDKPVAHVAN-----PQAEQQL-----QMLNRRAN--ALIAN-GVELRDN--QLVVP
LTb 77 EEPETDLSPGLPAHLICA-----PLKQQL-----GWEITKEQ--AFLTS-GTQFSDA-EGIALP
LTa 52 PKMHLAHS TLKPAHLICD-----PSKQNSL-----LMRANTDR--AFLQD-GFSLNN--SLVVP
CD40L 113 MQ---KGDQNPQIAAHVISE-----ASSKTSVL-----QMAEKGY--TMSN--LVTLLNG-KQLTVK
Apo1L 134 PSPPEKKELRKVAHLTK-----SNSRSMPL-----EMEDTYGIV-VILS--GVKYEK--GLVIN
Apo2L 114 VRE---RGPQVAAHITCTGRSNTLSSPNKNEKALGRKINSWESSRSGH-SFTLS--NLHNRNG--ELVJH

41BBL 137 KAGVYVFFQLERVVAGEG-----GSLALHLQPLR[S]AAGAAALATVDLPPAS-----F
OX40L 97 CDGFYLLSLKGYE-SQE-----VNISLH-YQKDE--EP-LFQLKKVRSVN-----
CD27L 100 RDGIYVHIVQVLAICSTTASRH--HPTILAVGICSPAS-----RSISLRLSFH-----
CD30L 135 FPGLYFLICQLQFLVQCP-----NNSVDLKLELLINKHI--KKQALVTVCES-----
TNF 128 SEGLYLLYSQVLEKGGGCP-----STHLLTHTISRIAVST-QTKVNLIISAIKSPCQRETP-----
LTb 129 QDGLYLLVCLVGRGRAPPGGDPQGRSVILRSSILRAGGAYGCTPELILLEGAETVTPVLDPAARR
LTa 103 TSCGVFWYSQVWFESKAYS PKAT--SSPLYLAHEVQLFSQY-PEFHVPLISSQKMVYPGL-----
CD40L 165 RQGLYIYIAQVIFCSNREA-----SSQAPFIASCLKSPGR---FERILLRAANTHSSAK-----
Apo1L 186 ETGLYFWYSKVMFRGQSC-----NNLFSHKVYMRNSKY-PQDLVMEGKMMSYCTT-----
Apo2L 178 EKGYYIYISQVFRFQEEIKENTK--NDKQMVQYIYKYTS-Y-PDPILIMKSARNCSWSKDA-----

41BBL 190 -----SEARN[S]AFGFQGRILHLS-AGRLGHLHTEARARHAWQLTQGAIVLGLERVTPEIPAGLPSPRSE-----I
OX40L 137 -----SLMVASLYYDK-----VTLNMTDNT-SLDEHVNGGELILIHQNPGEFCVL-----
CD27L 149 -----FHQGTIVSQRLTFLAR-----GDLICINLTGTL-LPSRNTD-----ETFFGVQWVRP
CD30L 180 -----GMQTKHYQNLSQLLDYLQVNTTISVNDTFQYI-DTSTFPLEN--VLSIFLYSNSD
TNF 184 GAEAKPVEPIYLCGVLEK-----GDLISAEINRPDYLDFAESC-----QVYFGIIAL
LTb 195 QGYGLMYTSVCGCLVQLRR-----GERVYVNI SHPDYI-DFARG-----KTFFGAVMVG
LTa 160 -----QEPMLHSMTHCAAFQITQ-----GDLSTHTDGPHLVLSPT-----VTFEGAFAL
CD40L 217 -----PCGQQSILHGGVFEIQLP-----GASVFVNVDPSQVSHGTG-----FTSFGLLKL
Apo1L 237 -----GQMWARSIVLCAVFNITS-----ADLYVNVSEL-SLVNFEES-----QTFFGLYKL
Apo2L 236 -----EYGLY-SLYQGGIFELKE-----NDRI FVSVTNE-HLIDNDHE-----ASEFGAFLVG

FIG. 1B

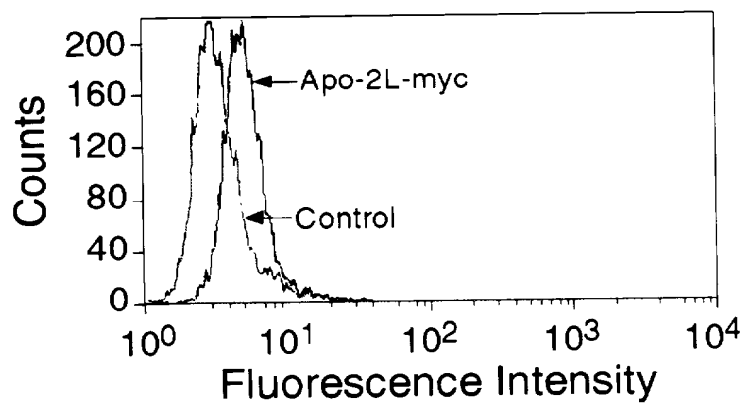


FIG. 1C

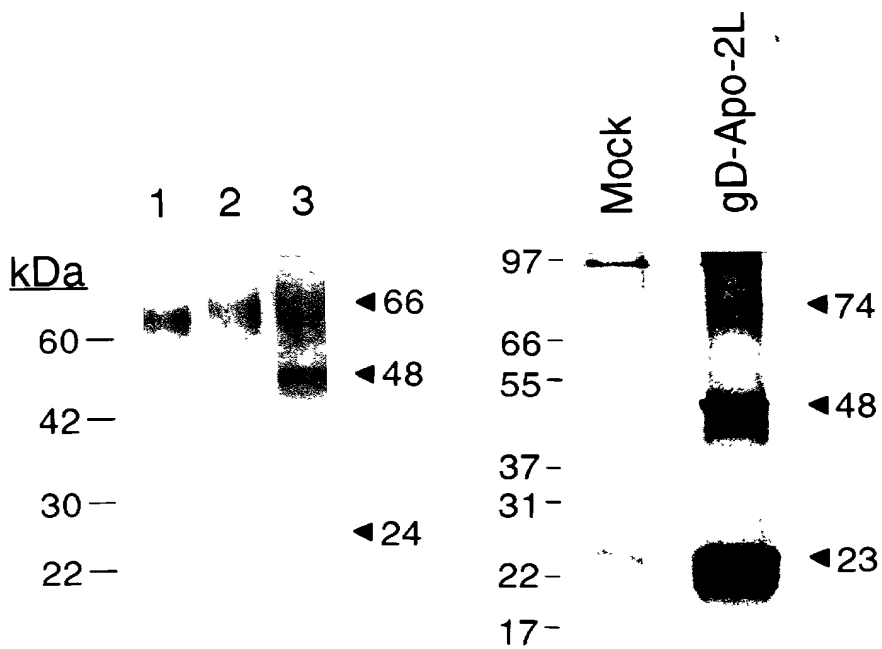


FIG. 1D

FIG. 1E

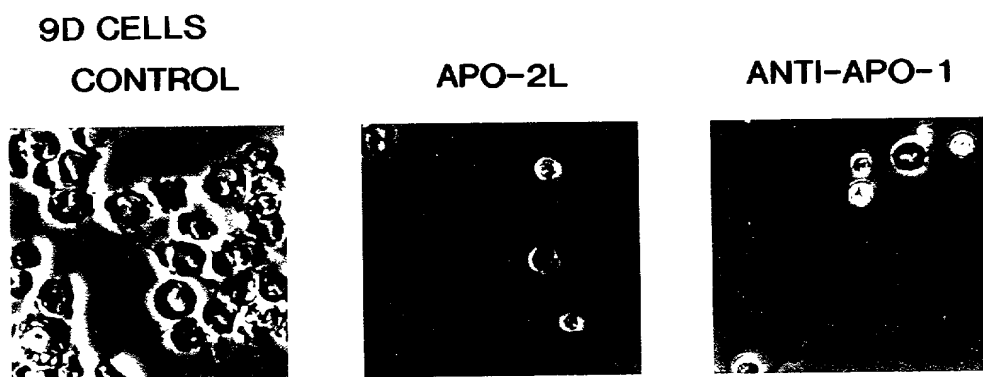


FIG. 2A

FIG. 2B

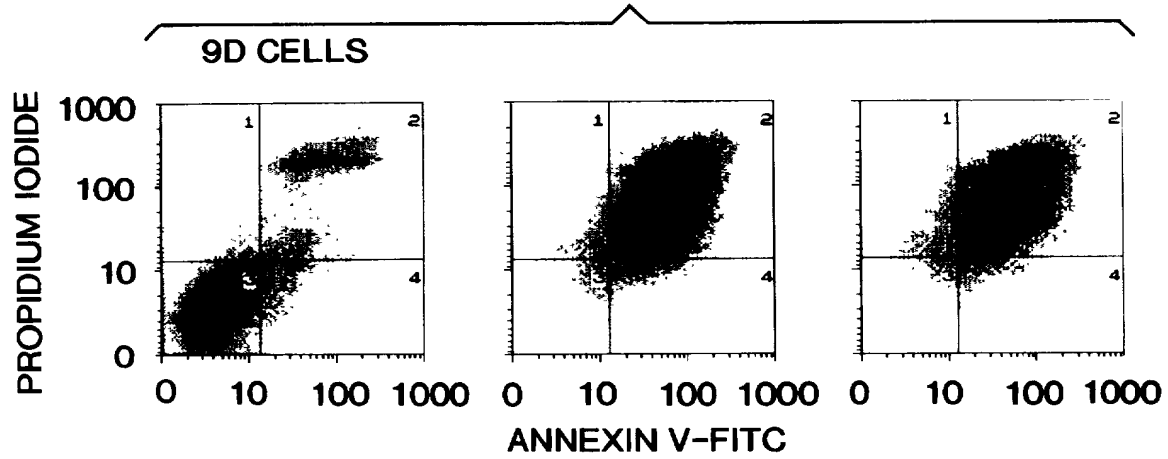


FIG. 2C

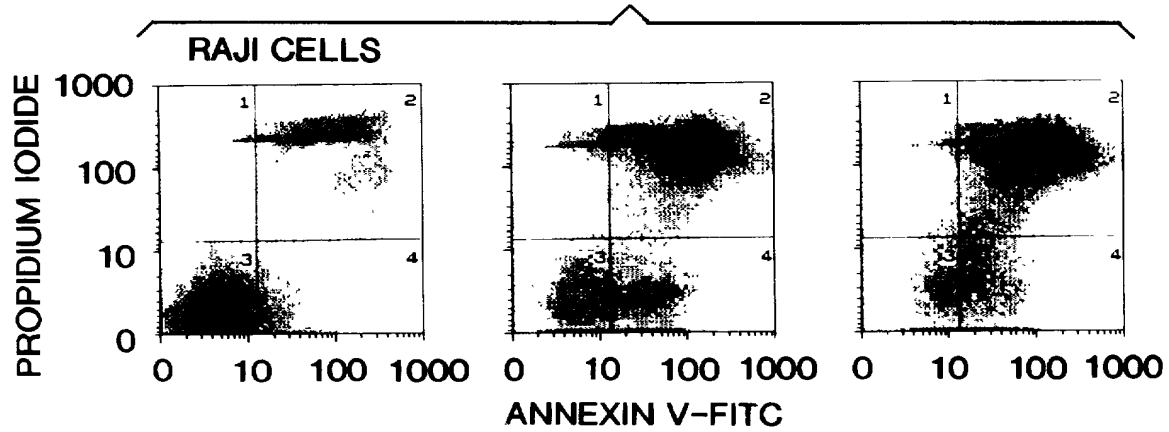
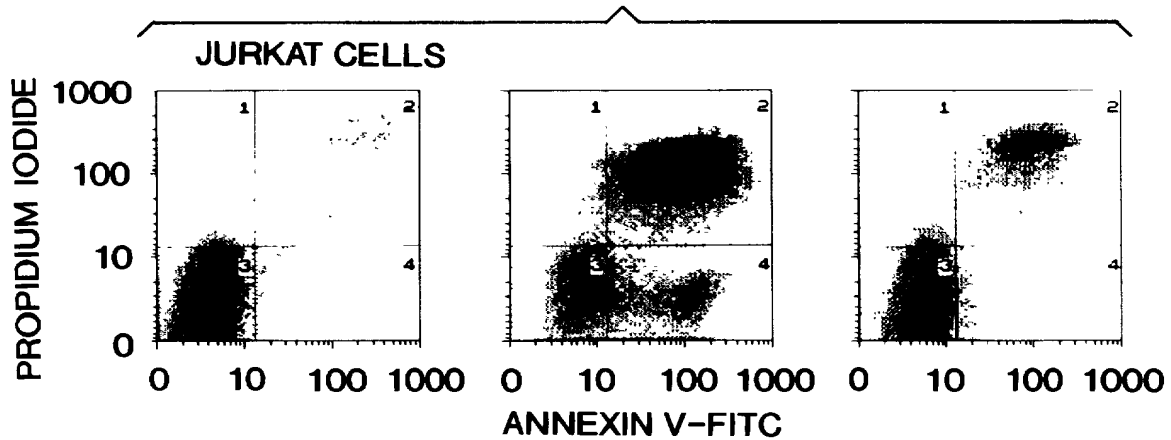


FIG. 2D



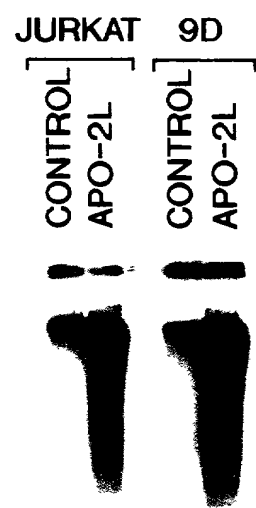


FIG. 2E

FIG. 3A

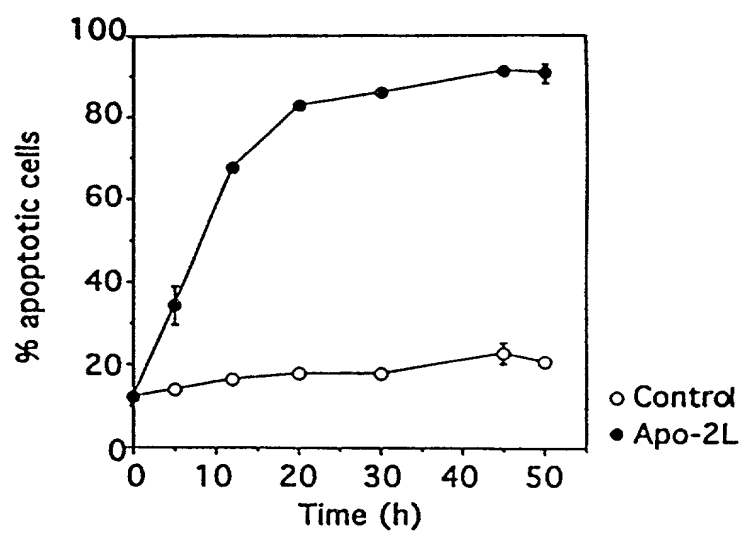


FIG. 3B

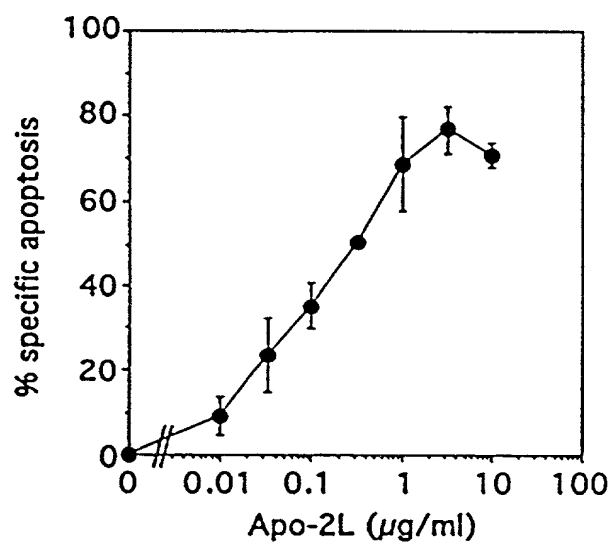


FIG. 3C

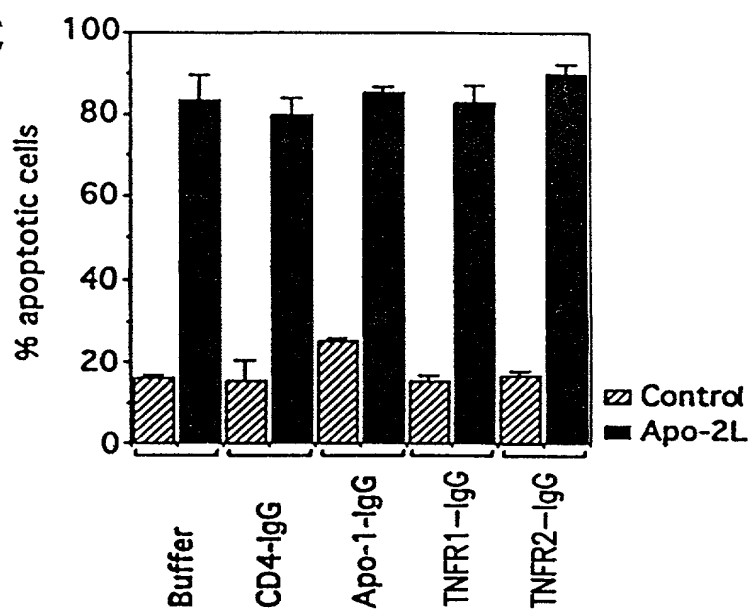


FIG. 4

